GOVERNMENT OF INDIA
POWER
LOK SABHA

STARRED QUESTION NO:76
ANSWERED ON:20.07.2017
Hydro-Electricity Generation Capacity
Nishank Dr. Ramesh Pokhriyal

Will the Minister of POWER be pleased to state:

(a) the existing hydro electricity generation capacity across the country;

(b) whether various agencies have been roped in by the Government to survey/assess the capacity to generate hydro electric power in the country and if so, the details thereof;

(c) the current quantum of hydro electricity being generated in various States of the country;

(d) the number of hydel power projects stuck due to various reasons and the expenditure incurred thereon so far; and

(e) whether any assessment of loss due to delay in these projects has been made by the Government and if so, the details thereof, State-wise?

Answer

THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER,
COAL, NEW & RENEWABLE ENERGY AND MINES

(SHRI PIYUSH GOYAL)

(a) to (e) : A Statement is laid on the Table of the House.

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STATEMENT

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (e) OF STARRED QUESTION NO.76 TO BE ANSWERED IN THE LOK SABHA ON 20.07.2017 REGARDING HYDRO-ELECTRICITY GENERATION CAPACITY.
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(a) : As on 30.06.2017, the existing total installed Hydel electricity generation capacity of the country is 44614.42 MW.

(b) : Based on the reassessment studies completed by Central Electricity Authority (CEA) in the year 1987, the identified hydro generation capacity in the country was estimated as about 84000 MW at 60% load factor with probable installed capacity of 148701 MW (145320 MW from H.E. schemes above 25 MW capacity). In February, 2017, M/s WAPCOS Limited has been entrusted the task of basin-wise review of hydro generation capacity in the country by CEA.

(c) : During 2017-18 (up to 30.6.2017), 36243.56 Million Units hydro power has been generated from projects of 25 MW and above in various States of the country.

(d) : At present, there are 41 HE projects (above 25 MW), totalling to 11792.50 MW under construction in the country. Out of the above, 14 HE projects, totalling to 5055 MW, are stalled due to various constraints like land acquisition, inter-state issues, financial constraints, law and order / local issues, contractual issues, inadequate infrastructure facilities, environment and forests issues, natural calamities, etc. An expenditure of Rs.20770 crores has been made on the above stalled projects.

(e) : As per calculation made by CEA, the annual loss of energy generation from these stalled projects is about 19180.99 Million Units. The cost overrun calculated by CEA due to these stalled projects is Rs.25593.78 crore. Details of cost overrun is given at Annex.

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